

SAW Filter 1176.450MHz
Part No: MP08976

Model No: TA2156A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: $Z_S = 50\Omega$
2. Terminating load impedance: $Z_L = 50\Omega$

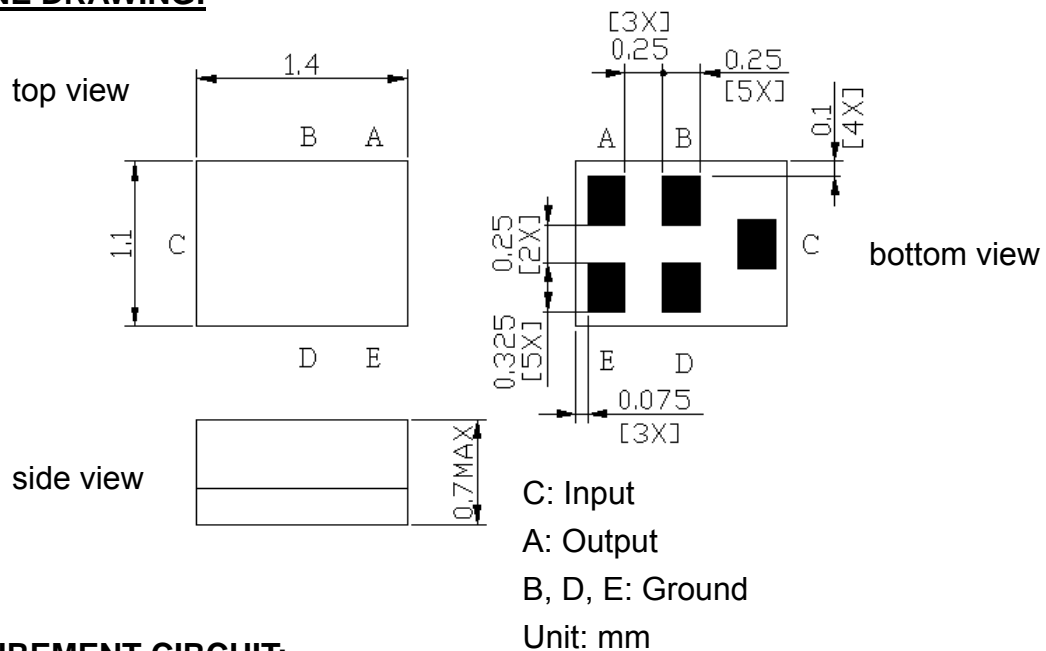
Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	1176.45	-
Insertion Loss (1166.45 ~ 1186.45MHz)	dB	-	3.6	4.2
Amplitude ripple (1166.45 ~ 1186.45MHz)	dB	-	1.2	1.5
VSWR (1166.45 ~ 1186.45MHz)		-	1.7	2.0
Attenuation				
1121.45MHz	dB	30	40	-
1231.45MHz	dB	30	44	-

*Specification including temperature tolerant.

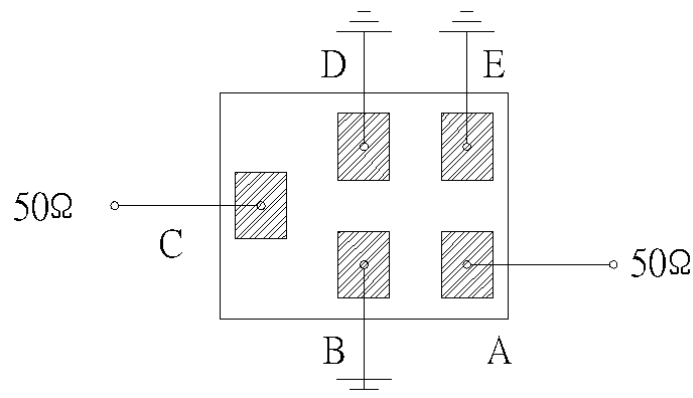
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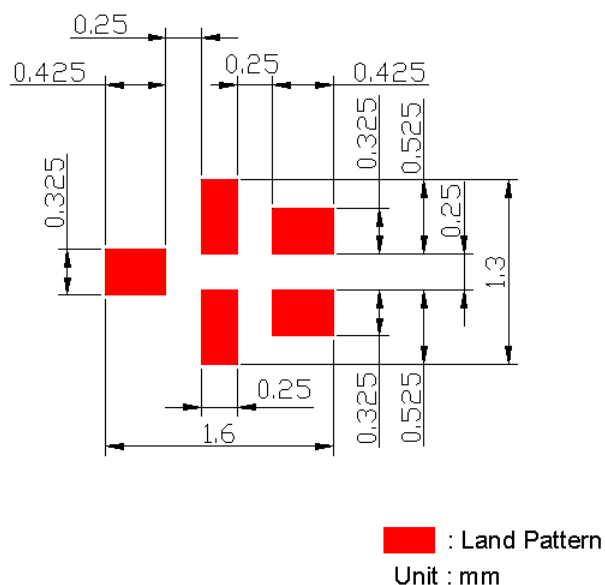
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



E. PCB FOOTPRINT:

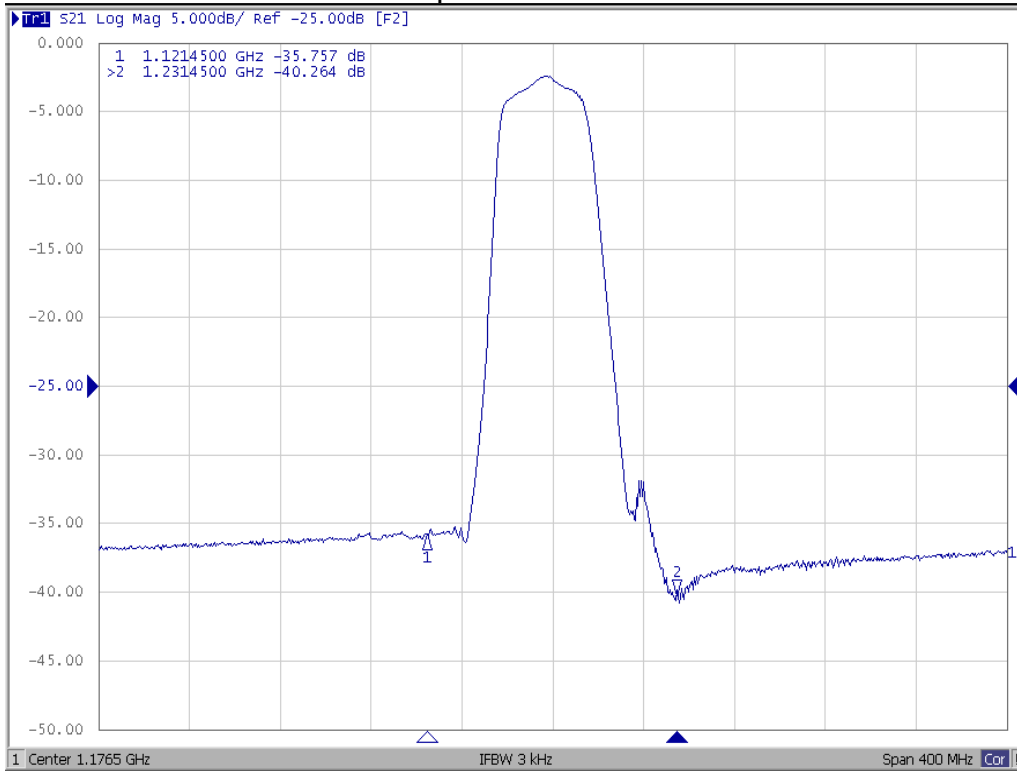


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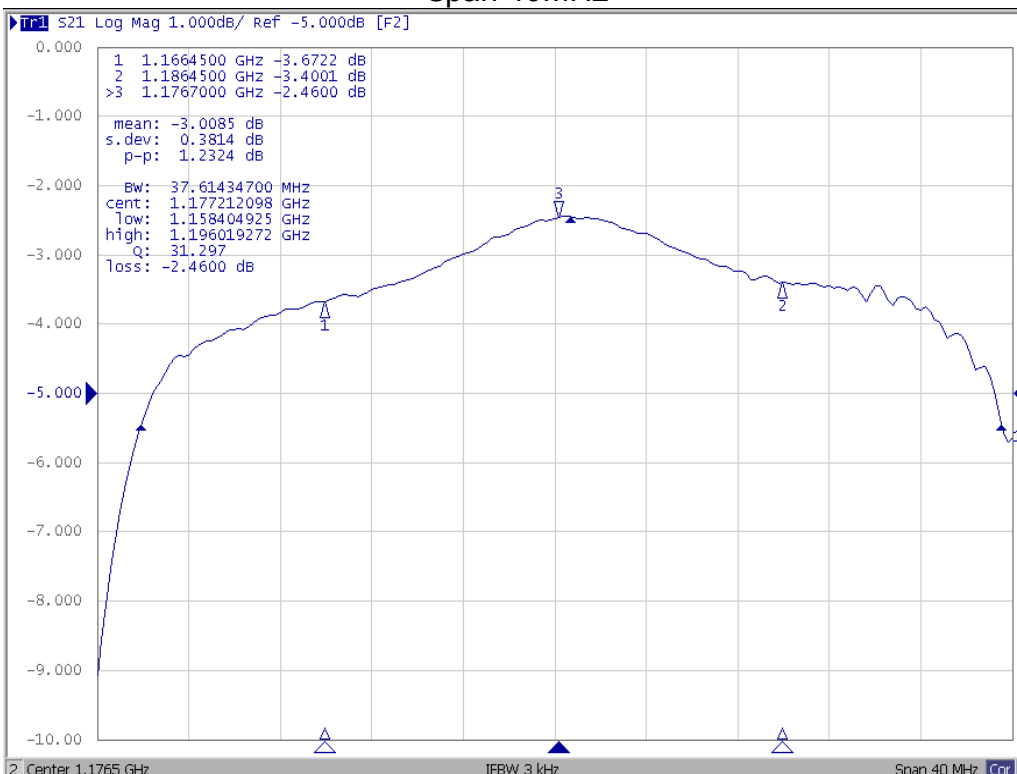
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F. FREQUENCY CHARACTERISTICS:

Span 400MHz



Span 40MHz

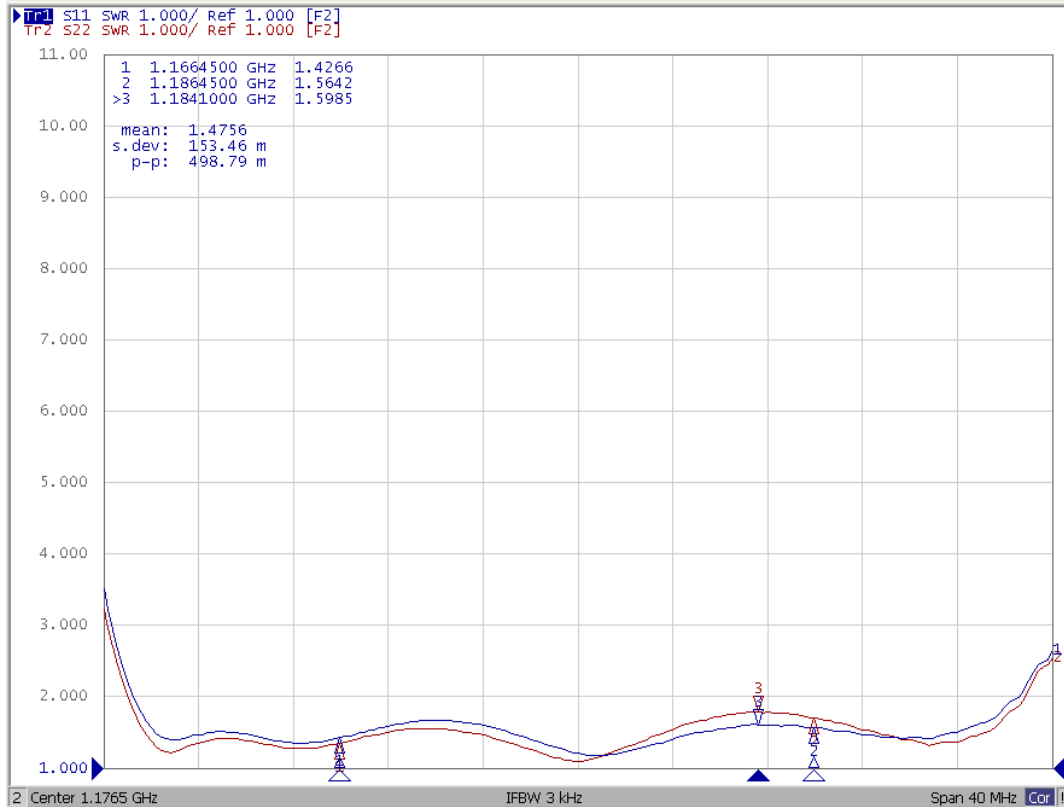


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Reflection Functions

Span 40MHz

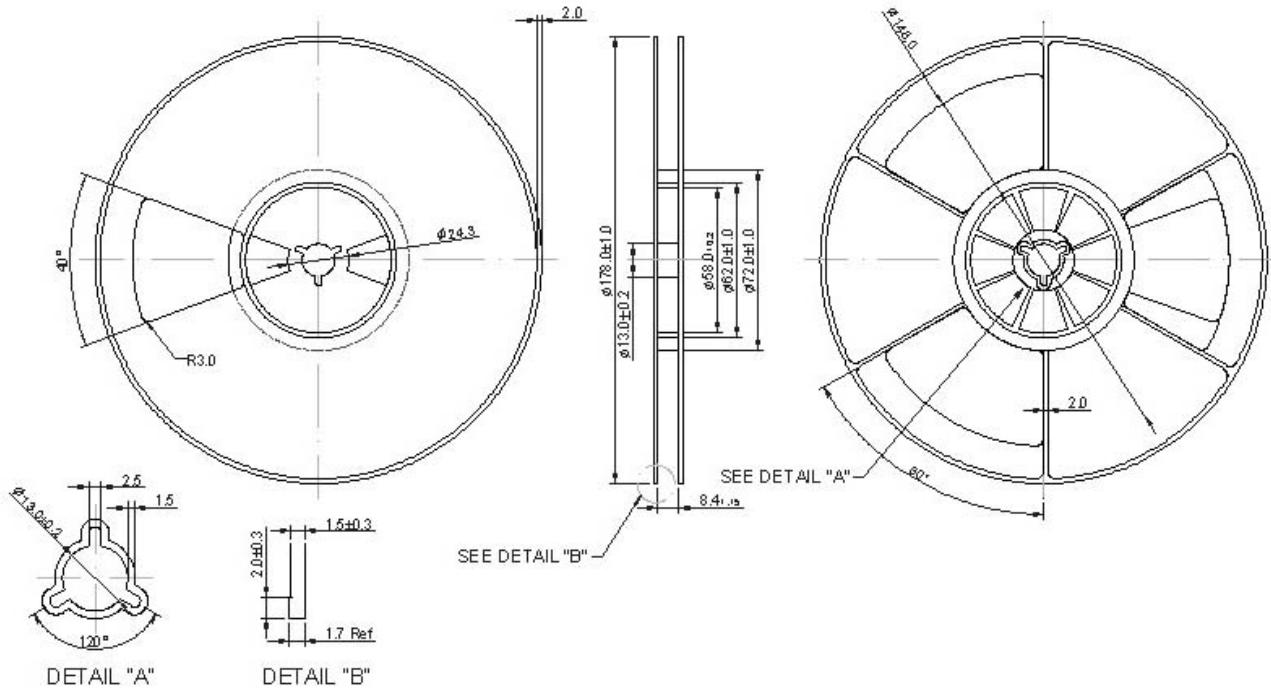


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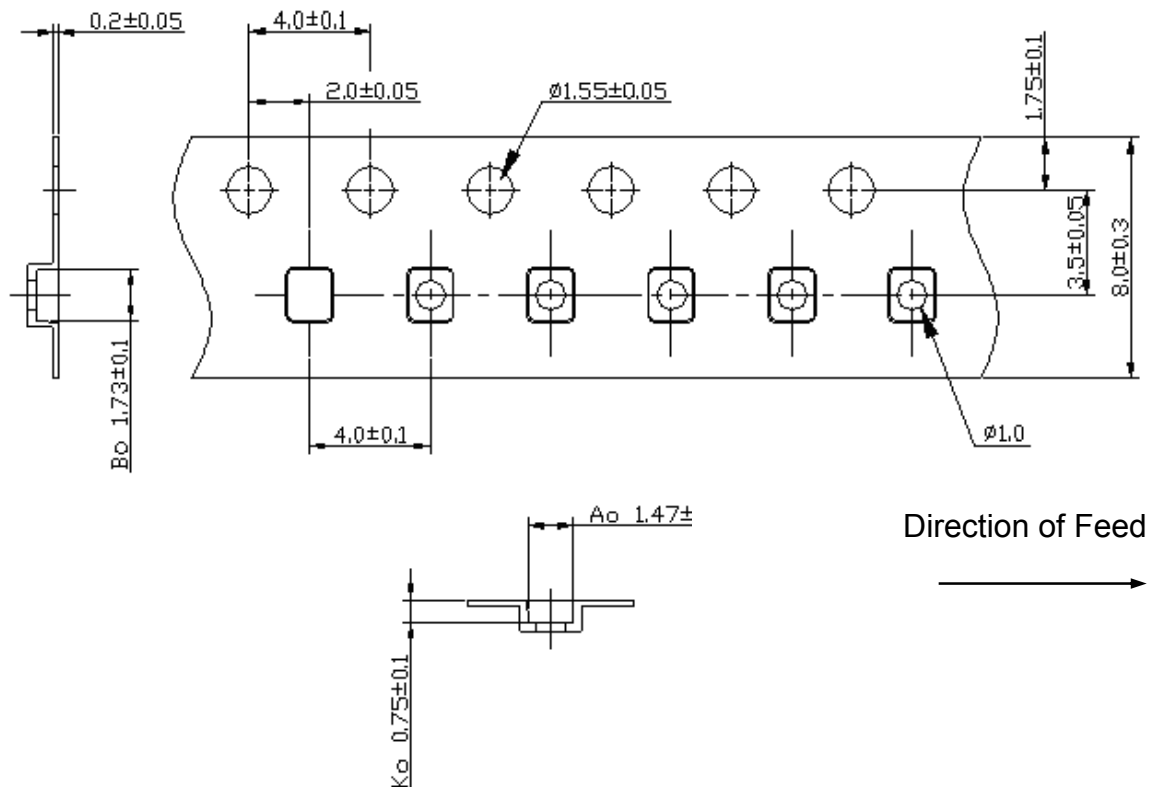
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

